

Page 2, line 4, replace ".It" with --, it--;
line 7, replace "i.e." with --, i.e.,--;
line 8, after "diseases" insert --of the--;
line 9, replace "e.g." with --, e.g.,--;
line 13, replace "i.e." with --, i.e.,--;
line 17, replace "CO₂/O₂" with --CO₂/O₂--;
line 19, replace "e.g." with --, e.g.,--.

A
Page 3, lines 2, 7, 9 and 10, replace "pCO₂" with "pCO₂";
line 4, delete "rhythmical"; same line, replace
"body temperature" with --cycle--;
line 10, delete "such"; same line, before "few"
insert --a--;
line 15, replace "e.g." with --, e.g.,--.
line 20, delete "such".

Page 4, line 3 after "i.e." insert --,--; same line, replace
"pCO₂" with --pCO₂--;
line 4, after "e.g." insert --,--;
between lines 8 and 9, insert the following:
--SUMMARY OF THE INVENTION--;
line 11, after "device", delete ",,";
line 16, after "i.e." insert --,--.

Page 5, lines 1 and 11, after "e.g." insert --/--;
line 9, replace "only necessary" with
--necessary only--;
line 12, delete "Preferred embodiments can be
taken from the dependent claims.";
line 15, replace "CO2" with --CO₂--;
line 16, replace "gas/es" with --gas/gasses--.

Page 6, line 7, after "fluctuations", insert --/--;
line 10, before "a comparison", insert --to provide--;
line 11, replace "e.g." with --, e.g.,--;
lines 16 and 17, replace "pCO2" with --pCO₂--.

Page 7, line 16, replace "e.g." with --, e.g.,--;
line 19, replace "with measurement of" with
--measure--.

Page 8, lines 2, 7, 8, 10, 13, 15 and 22, replace "pCO2"
with --pCO₂--;
line 12, replace "i.e." with --, i.e.,--;
line 14, replace "CO2" with --CO₂--;
line 22, replace "pO2" with --pO₂--.

Page 9, between lines 6 and 7, insert the following:

--BRIEF DESCRIPTION OF THE DRAWINGS--;

line 7, delete "with";

line 8, replace "drawing" with --drawings--;

line 11, replace "pCO2" with --pCO₂--;

between lines 11 and 12, insert the following:

--DETAILED DESCRIPTION OF THE INVENTION--;

line 12, before "cycle" insert --a--; same line,

after "computer" insert --,--;

lines 18 and 19, replace "CO2" with --CO₂--;

last line, replace "pCO2" with --pCO₂--.

Page 10, line 2, replace "pCO2" with --pCO₂--;

line 3, replace "Sensors" with --sensors--; same

line, after "temperature" insert --,--;

lines 7 and 9, after "i.e." insert --,--;

line 8, replace "CO2" with --CO₂--.

IN THE CLAIMS:

Please ~~cancel~~ original claims 1 to 17, without prejudice.

Please add the following claims:

18. A method for monitoring in an animal or a human,
hormonal fluctuations, ovulation prediction, breathing function,